

(b) from about 0.1% to about 15%, by weight of the composition of an oxide surfactant, said oxide surfactant being selected from the group consisting of amine oxides, phosphine oxides, sulfoxides, and mixtures thereof;

(c) from about 0.1% to about 15% by weight of the composition of a low foaming nonionic surfactant with an X/Y number greater than or equal to 1.00 and when said low foaming nonionic surfactant contains a glyceryl ether group, the cap on said low foaming nonionic surfactant is branched or linear alkyl group containing at least 4 carbon atoms and X/Y number is calculated in the absence of dimers and trimers;

(d) optionally, from about 0.1% to about 40% by weight of the composition of a bleaching agent; and

(e) adjunct materials;

wherein the weight ratio of said low foaming nonionic surfactant to said oxide surfactant is from 2:1 to 30:1.

14. (New) An automatic dishwashing detergent composition comprising:

(a) from about 5% to about 90% by weight of the composition of a builder ;

(b) from about 0.1% to about 15%, by weight of the composition of an oxide surfactant, said oxide surfactant being selected from the group consisting of amine oxides, phosphine oxides, sulfoxides, and mixtures thereof;

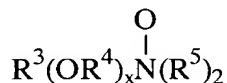
(c) from about 0.1% to about 15% by weight of the composition of a low foaming nonionic surfactant wherein said low foaming nonionic surfactant has an interfacial tension of less than 8 dyne/cm;

(d) optionally, from about 0.1% to about 40% by weight of the composition of a bleaching agent; and

(e) adjunct materials;

wherein the weight ratio of said low foaming nonionic surfactant to said oxide surfactant is from about 2:1 to about 30:1.

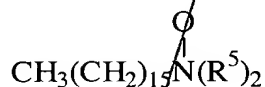
15. (New) The composition according to Claim 1 wherein said oxide surfactant is an amine oxide surfactant having the formula:



wherein R^3 is an alkyl, hydroxyalkyl, or alkyl phenyl group or mixtures thereof containing from about 8 to about 22 carbon atoms; R^4 is an alkylene or hydroxyalkylene group containing from about 2 to about 3 carbon atoms or mixtures thereof; x is from 0 to about 3; and each R^5 is an alkyl or hydroxyalkyl group containing from about 1 to about 3 carbon

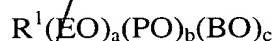
atoms or a polyethylene oxide group containing from about 1 to about 3 ethylene oxide groups.

16. (New) The composition according to Claim 1 wherein said amine oxide has the formula:



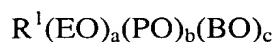
wherein R^5 is an alkyl or hydroxyalkyl group containing from about 1 to about 3 carbon atoms or a polyethylene oxide group containing from about 1 to about 3 ethylene oxide groups.

17. (New) The automatic dishwashing detergent composition according to Claim 1, wherein said low foaming nonionic surfactant has the formula:



wherein R^1 is a linear or branched C_6 to C_{20} alkyl; a is from about 2 to about 30; b is from 0 to about 30; c is from about 1 to about 10.

18. (New) The automatic dishwashing detergent composition according to Claim 14, wherein said low foaming nonionic surfactant has the formula:



wherein R^1 is a linear or branched C_6 to C_{20} alkyl; a is from about 2 to about 30; b is from 0 to about 30; c is from about 1 to about 10.

19. (New) The automatic dishwashing detergent composition according to Claim 1, wherein said low foaming nonionic surfactant has the formula:



wherein R^1 and R^2 are linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms; R^3 is H, or a linear aliphatic hydrocarbon radical having from 1 to 4 carbon atoms; m is an integer having an average value from 1 to 40; wherein when m is 2 or greater, R^3 may be the same or different and k and j are integers having an average value of from 1 to 12; further wherein when m is 15 or greater and R^3 is H and methyl, at least four of R^3 are methyl; further wherein when m is 15 or greater

and R³ includes H and from 1 to 3 methyl groups, then at least one R³ is ethyl, propyl or butyl; further wherein R² can optionally be alkoxyated, wherein said alkoxy is selected from ethoxy, propoxy, butoxy, and mixtures thereof; wherein further, said surfactant has less than 30% of dimers and trimers of said nonionic surfactant.

20. (New) The automatic dishwashing detergent composition according to Claim 19 wherein said surfactant has less than 15% of dimers and trimers of said nonionic surfactant.

21. (New) The automatic dishwashing detergent composition according to Claim 20 wherein said surfactant has less than 5% of dimers and trimers of said nonionic surfactant.

22. (New) The automatic dishwashing detergent composition according to Claim 14, wherein said low foaming nonionic surfactant has the formula:



wherein R¹ and R² are linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms; R³ is H, or a linear aliphatic hydrocarbon radical having from 1 to 4 carbon atoms; m is an integer having an average value from 1 to 40; wherein when m is 2 or greater, R³ may be the same or different and k and j are integers having an average value of from 1 to 12; further wherein when m is 15 or greater and R³ is H and methyl, at least four of R³ are methyl; further wherein when m is 15 or greater and R³ includes H and from 1 to 3 methyl groups, then at least one R³ is ethyl, propyl or butyl; further wherein R² can optionally be alkoxyated, wherein said alkoxy is selected from ethoxy, propoxy, butoxy, and mixtures thereof; wherein further, said surfactant has less than 30% of dimers and trimers of said nonionic surfactant.

23. (New) The automatic dishwashing detergent composition according to Claim 22 wherein said surfactant has less than 15% of dimers and trimers of said nonionic surfactant.

24. (New) The automatic dishwashing detergent composition according to Claim 23 wherein said surfactant has less than 5% of dimers and trimers of said nonionic surfactant.

25. (New) The automatic dishwashing detergent composition according to Claim 1, wherein said low foaming nonionic surfactant has the formula:



wherein R¹ is a linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms; R² is a linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms,

optionally containing from 1 to 5 hydroxy groups, and further optionally substituted with an ether group; R³ is H, or a linear aliphatic hydrocarbon radical having from 1 to 4 carbon atoms; e is an integer having an average value from 1 to 40; wherein R² can optionally be alkoxylated, wherein said alkoxy is selected from ethoxy, propoxy, butoxy and mixtures thereof.

26. (New) The automatic dishwashing detergent composition according to Claim 14, wherein said low foaming nonionic surfactant has the formula:



wherein R¹ is a linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms; R² is a linear or branched, saturated or unsaturated, aliphatic or aromatic hydrocarbon radicals having from 1 to 30 carbon atoms, optionally containing from 1 to 5 hydroxy groups, and further optionally substituted with an ether group; R³ is H, or a linear aliphatic hydrocarbon radical having from 1 to 4 carbon atoms; e is an integer having an average value from 1 to 40; wherein R² can optionally be alkoxylated, wherein said alkoxy is selected from ethoxy, propoxy, butoxy and mixtures thereof.

27. (New) The composition according to Claim 1 wherein said low foaming nonionic surfactant is selected from the group consisting of C9,11PO3EO13PO15; C9,11PO3EO13BO6; C9,11PO3EO13BO3; C9,11EO13BO6; C9,11EO13BO3; C9,11BO1EO13BO3; C9,11EO8BO3; C12,15EO7BO2; C9,11EO8BO2; C9,11EO8BO1; C12,13EO6.5TBO1; C9,11EO8C(CH3)2CH2CH3; C11/15EO15PO6C12/14; C9,11EO8(CH2)4CH3; and mixtures thereof.

28. (New) The composition according to Claim 14 wherein said low foaming nonionic surfactant is selected from the group consisting of C9,11PO3EO13PO15; C9,11PO3EO13BO6; C9,11PO3EO13BO3; C9,11EO13BO6; C9,11EO13BO3; C9,11BO1EO13BO3; C9,11EO8BO3; C12,15EO7BO2; C9,11EO8BO2; C9,11EO8BO1; C12,13EO6.5TBO1; C9,11EO8C(CH3)2CH2CH3; C11/15EO15PO6C12/14; C9,11EO8(CH2)4CH3; and mixtures thereof.

29. (New) The automatic dishwashing detergent composition according to Claim 1 further comprising a co-surfactant selected from the group consisting of low cloud point nonionic surfactants, high cloud point nonionic surfactants, anionic surfactants, and mixtures thereof.

30. (New) The automatic dishwashing detergent composition according to Claim 14 further comprising a co-surfactant selected from the group consisting of low cloud point nonionic surfactants, high cloud point nonionic surfactants, anionic surfactants, and mixtures thereof.

31. (New) The automatic dishwashing detergent composition according to Claim 29 wherein said low cloud point nonionic surfactants have a cloud point of less than about 20°C.

32. (New) The automatic dishwashing detergent composition according to Claim 30 wherein said low cloud point nonionic surfactants have a cloud point of less than about 20°C.

33. (New) The automatic dishwashing detergent composition according to Claim 31 wherein said low cloud point nonionic surfactants are selected from the group consisting of ethoxylates derived from primary alcohol, polyoxypropylene/polyoxyethylene/polyoxypropylene reverse block polymers, ethoxylated-propoxylated alcohol, epoxy-capped poly(oxyalkylated) alcohols, and mixtures thereof.

34. (New) The automatic dishwashing detergent composition according to Claim 32 wherein said low cloud point nonionic surfactants are selected from the group consisting of ethoxylates derived from primary alcohol, polyoxypropylene/polyoxyethylene/polyoxypropylene reverse block polymers, ethoxylated-propoxylated alcohol, epoxy-capped poly(oxyalkylated) alcohols, and mixtures thereof.

35. (New) The automatic dishwashing detergent composition according to Claim 29 wherein said high cloud point nonionic surfactants have a cloud point of greater than about 50°C.

36. (New) The automatic dishwashing detergent composition according to Claim 30 wherein said high cloud point nonionic surfactants have a cloud point of greater than about 50°C.

37. (New) The automatic dishwashing detergent composition according to Claim 35 wherein said high cloud point nonionic surfactants are selected from the group

consisting of straight chain fatty alcohols containing from about 6 to about 20 carbon atoms, branched chain fatty alcohols containing from about 6 to about 20 carbon atoms, secondary fatty alcohols containing from about 6 to about 20 carbon atoms, branched alcohol ethoxylates condensed with an average of from about 6 to about 15 moles of ethylene oxide per mole of alcohol, secondary alcohol ethoxylates condensed with an average of from about 6 to about 15 moles of ethylene oxide per mole of alcohol, and mixtures thereof.

38. (New) The automatic dishwashing detergent composition according to Claim 36 wherein said high cloud point nonionic surfactants are selected from the group consisting of straight chain fatty alcohols containing from about 6 to about 20 carbon atoms, branched chain fatty alcohols containing from about 6 to about 20 carbon atoms, secondary fatty alcohols containing from about 6 to about 20 carbon atoms, branched alcohol ethoxylates condensed with an average of from about 6 to about 15 moles of ethylene oxide per mole of alcohol, secondary alcohol ethoxylates condensed with an average of from about 6 to about 15 moles of ethylene oxide per mole of alcohol, and mixtures thereof.

39. (New) The automatic dishwashing detergent composition according to Claim 1 wherein the composition comprises a chlorine bleaching agent.

40. (New) The automatic dishwashing detergent composition according to Claim 1 comprising a bleaching agent selected from sodium perborate, sodium percarbonate, and mixtures thereof.

41. (New) The automatic dishwashing detergent composition according to Claim 1 comprising a bleaching agent selected from hydrogen peroxide, a source of hydrogen peroxide, and mixtures thereof.

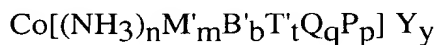
42. (New) The automatic dishwashing detergent composition according to Claim 1 comprising said bleaching agent, wherein said bleaching agent is dibenzoyl peroxide.

43. (New) The automatic dishwashing detergent composition according to Claim 1 comprising said bleaching agent, wherein said bleaching agent is dichloroisocyanurate.

44. (New) The automatic dishwashing detergent composition according to Claim 1 further comprising a bleach activator material selected from the group consisting of tetraacetylenediamine, cationic bleach activators, and mixtures thereof.

45. (New) The automatic dishwashing detergent composition according to Claim 1 further comprising a metal-containing bleach catalyst selected from manganese-containing bleach catalysts, cobalt-containing bleach catalysts, and mixtures thereof.

46. (New) The automatic dishwashing detergent composition according to Claim 45 wherein the cobalt-containing bleach catalyst has the formula:



wherein cobalt is in the +3 oxidation state; n is an integer from 0 to 5; M' represents a monodentate ligand; m is an integer from 0 to 5; B' represents a bidentate ligand; b is an integer from 0 to 2; T' represents a tridentate ligand; t is 0 or 1; Q is a tetradentate ligand; q is 0 or 1; P is a pentadentate ligand; p is 0 or 1; and $n + m + 2b + 3t + 4q + 5p = 6$; Y is one or more appropriately selected counteranions present in a number y, wherein y is an integer from 1 to 3, to obtain a charge-balanced salt; and wherein at least one of the coordination sites attached to the cobalt is labile under automatic dishwashing use conditions and the remaining coordination sites stabilize the cobalt under automatic dishwashing conditions such that the reduction potential for cobalt (III) to cobalt (II) under alkaline conditions is less than about 0.4 volts versus a normal hydrogen electrode.

47. (New) The automatic dishwashing detergent composition according to Claim 46 wherein the bleach catalyst is selected from the group consisting of pentaamineacetatocobalt (III) nitrate, MnTACN, and mixtures thereof.

48. (New) The automatic dishwashing detergent composition according to Claim 1 wherein said builder is a phosphate builder.

49. (New) The automatic dishwashing detergent composition according to Claim 1 further comprising less than about 0.1% of active suds suppressing agent.

50. (New) The automatic dishwashing detergent composition according to Claim 1 further comprising a deterative enzyme.

51. (New) The automatic dishwashing detergent composition according to Claim 50 wherein said deterative enzyme is selected from the group consisting of proteases, lipases, cellulases, amylases, and mixtures thereof.

52. (New) The automatic dishwashing detergent composition according to Claim 1 in the form of granules, tablets, or liquidgels.

53. (New) The automatic dishwashing detergent composition according to Claim 14 in the form of granules, tablets, or liquidgels.

54. (New) A method of washing tableware in a domestic automatic dishwashing appliance, said method comprising treating the soiled tableware in an automatic dishwasher with an aqueous alkaline bath comprising an automatic dishwashing composition according to Claim 1.

55. (New) A method of washing tableware in a domestic automatic dishwashing appliance, said method comprising treating the soiled tableware in an automatic dishwasher with an aqueous alkaline bath comprising an automatic dishwashing composition according to Claim 14.

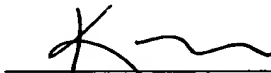
STATUS OF THE CLAIMS

The support for these amendments is found in the claims and specification as originally filed. These amendments are being entered to bring the claims into conformance with, *inter alia*, 37 CFR 1.75. No new matter is added. Claims 1, and 14 thru 55 are now pending in this application.

Respectfully submitted,

For: **Glenn Thomas Jordan, IV et al.**

By



Kevin L. Waugh
Attorney/Agent for Applicants
Registration No. 47,206
Tele. No.: (513) 627-1644

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Cincinnati, Ohio
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